

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: 5751 Special 12AX7?
Message-ID: <317D7C8B.31C9@ghgcorp.com>

Hello Tubemasters!

Still sorting thru my bulk tube purchase from Belton and I am making out like a bandit! In the couple of bags I bought, I have already found 7 12AX7's used in both the Nems-Clarke and the R-366 which test good on my excuse for a tube tester (Accurate Instruments 151, heck, it was free!). Now if that isn't good enough, I came across a pair of 5751's.

GE Essential Characteristics notes that they are "Special 12AX7". What does the "special" mean? Any advantage of them over plain old 12AX7's?

Also came across a few 5726's, which are noted to be "Special 6AL5".

Thanks in advance,
Ben
--

=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: "Terry O'Laughlin, RM:7135, #:6-6667" <OLAUGHLIN@vilas.uwex.edu>
Subject: 6082WB
Message-ID: <MAILQUEUE-101.960424104719.480@vilas.uwex.edu>

I just received my shipment of 6082WBs from New Sensor. They are Raytheon tubes manufactured in Sept. 1967. They are in white JAN boxes with a DAAB... contract number. Sounds suspiciously like they were originally ordered for the R-389/390 series. At \$4.00 a pop, I ordered a lifetime supply to sustain my BA collection (also enabled me to make New Sensors minimum order).

73 Terry O' WB9GVB

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: Another dealer has BA's for sale
Message-ID: <199604241548.LAA13697@borg.mindspring.com>

Gang,

I was on the contest reflector and Alan from Tucker Electronics dropped a short message about their new WEB page. The mention of BA for sale caught my eye. I looked and found Ameco TX-62's, a BW 5100B, a 51J4, Eico stuff, WRL/Globe 65's/90's/680, S20R, S-40A, SX-42, HQ110's, National 300, old RME converters etc. (10 pages in print). Pricing is not out of line and Alan tells you whether the equipment works, appearance, and what they think needs to be fixed.

Wish I were closer so I could see first hand how close Alan is on the evaluations.

I have nothing to do with Tucker and I know their reputation for test equipment has not been the best (looks nice, but still buyer beware). We all have delt with Fair Radio so we know what to expect. I think you might want to take a look....

They are at <http://www.tucker.com...>

if you want to avoid the home page then use:

<http://www.tucker.com/rtlclassicgear.html>

Wish more of the BA dealers would put up a list like this so we could look from time to time.

Dave K4JRB

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996

From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>

Subject: Another restoration almost completed

Message-ID: <Pine.SUN.3.91.960424104148.2322A-1000000@dot.w6bhz.calpoly.edu>

Hello folks:

Good news from my refinishers: my cabinet for the 51-J4 is completed (and so is my 270G3). Before I continue, let me fill you in. I bought a nice 51-J4 from a friend of mine in San Jose. Turned out the 'J-4 was krinkle black instead of the usual James grey. So I scared up an old 32-V3 cabinet and a modified 270-G3 for refinishing. Unfortunately, some knucklehead decided to punch holes and add front panel handles in the speaker. My refinisher welded up non-stock holes and is currently finishing both boxes to the krinkle black. Gad!!!!!! Imagine a fully matching 'J-4 with cabinet and matching speaker. Can ya stand it? Cal, N6KYR.

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996

From: n5off@w5ddl.aara.org

Subject: Any Halli Book Deals Left?
Message-ID: <355231@w5ddl.aara.org>

Are there any deals on BA left for the Halli book, or do I now have to pay (gasp!) full price?

73 de tom

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: jlyle@netcom.com (Jim Lyle)
Subject: Attn: Dennis Doonan
Message-ID: <199604241515.IAA22205@netcom7.netcom.com>

Sorry for the wasted bandwidth... this message is for Dennis Doonan.
(multiple attempts at private mail all bounced). Again, sorry...

>
> While connected to whqst1.etn.com. [151.110.3.35] (tcp):
> >>> HELO etn.com
> <<< 553 Local configuration error, hostname not recognized as local
>
> 554 <doonan@cordmc.dnet.etn.com>... Service unavailable

> Eico 710 Grid-dip meter with 8 coils, works, case is scuffed, schematic
> but no manual \$20.
> Eico 950B Resistor/Caacitor Bridge, works \$25.

I'll take these, if still available, and pay for shipping (of course). I really need a grid dip meter!

--

Jim Lyle jlyle@netcom.COM
(408) 721-7772

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: wb6zwc@ns.net
Subject: B&K Model 625
Message-ID: <2.2.16.19960423151557.112fd9d2@mail-1.ns.net>

Recently acquired a B&K model 625 tube tester. It has the original manual. Anyone interested in a copy of the manual drop me a line....

Richard wb6zwc@ns.net
Sacramento-Where the American River
meets the Sacramento River

This space intentionally left

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: jkilgore@io.com (Jeff Kilgore KC1MK)
Subject: Re: BA Audio Matching Transformer Suggestion
Message-ID: <199604240151.UAA05973@deliverator.io.com>

I just picked up a transformer today for the 390A that I bought Saturday at the Belton swapfest. I got a Speco T-7010 transformer, and I must say the 390 audio is now quite impressive. This is a 70-volt transformer, with taps for 500, 1,000, 2,000, 4,000, and 8,000 ohms on the primary, and taps for 4 ohms and 8 ohms on the secondary. I put the 390 local output in the 500-ohm primary input, and hooked the 8-ohm output to a Heath SB-600 speaker. I found the transformer during a lunchtime outing to Altex Electronics in Austin, a spot I frequently visit during my lunch outings.

73,
Jeff, KC1MK

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: don merz <71333.144@CompuServe.COM>
Subject: Books FS/FT
Message-ID: <960424023806_71333.144_DHB35-1@CompuServe.COM>

For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

Literature

Allied Dictionary of Electronic Terms, 1961. Cover has some stains but this is otherwise like new. 80+ pages with hundreds of photos and diagrams. \$8

ARRL Antenna Book, 1946 by George Grammar and others. 4th ed., 1st printing. Cover color faded in spots but otherwise very good. \$10

ARRL 1931 Radio Amateur's Handbook. Cover taped at binding edge and front cover is raggedy along top edge. Otherwise this is in very nice condition. The RCA add asks "Are Your Tubes Fagged Out?"

What fun! \$39

Military TM 11-455, Radio Fundamentals, July 17, 1941. Some cover

fading and one mark. But this is about as clean as you would ever find one. Excellent. \$12

FOR TRADE:

Bucher, Elmer E, Vacuum Tubes In Wireless Communication, 1919. Sub-titled "A Practical Text Book For Operators And Experimenters." With "more than 140 circuit diagrams" and photos of Pliotrons, dynatrons and Weagant Valves. Circuits show receivers and transmitters for CW, MCW and telephony. Excellent hardback, 202 pages. Includes blank application for the National Amateur Wireless Association and ads for Stromberg-Carlson headphones and Marconi-Victor "Wireless Code Instruction Records." Covers triodes only, of course...

Trade for 1937 or 1941 ARRL Handbooks, other interesting original radio literature from the 30's or WWII military manuals or training materials or ???

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: jmillier@teleteam.com (Jay H. Miller)
Subject: Comments on Shack Grounding
Message-ID: <v01510100ada3c07a99a3@[205.198.110.5]>

Congratulations on your new space.

My shack is also on the second floor of a detached structure. I built the building myself-- before I got back into amateur radio however.

A very good friend of mine, who by the way is a wise old broadcast engineer, told me flat out that I would always have trouble with RF in comparison to a shack on the ground floor given the same amount and quality of grounding.

Therefore I did the very best job I could to keep as much RF where it belonged. My system is this:

A 1/2" piece of copper pipe runs the length of my operating desk and all rigs and auxillary equipment are bonded to this pipe with short lengths of braid. I use a crimp connector on the equipment end and a hose clamp on the pipe end. My antenna patch panel (or transfer switch) is also connected to this pipe. From the pipe there is a #6 wire running through the wall and directly down to an 8' ground rod.

My 55' 25-G tower sits about 10' from the shack wall (right next to the house) and I load it on 75 meters using a shunt feed. There are 8 radials

coming out from the tower in different directions. Each radial is terminated with a 4' copper ground rod. The tuning network for the shunt feed is on the shack exterior wall about 12' above the ground. The ground return from this circuit goes directly to the main RF ground rod (above) which is in turn bonded to the tower radial system. Just to make sure, the whole gig is bonded to the copper water main.

I believe I have done the best I can for a second story ham shack. I run a 30S-1 on 10-15-20-40 and have very little trouble except for the cheap phones and the big stereo in the house. On 75 there is so much RF everywhere it makes the cat's back arch when I key the mike (no really but close)! This is due to the shunt feed and the closeness of the radiator. One of these days we'll be out in the country!!!

The big thing to remember is to provide a single point, low-impedance path to ground for your RF return. Lightning protection for me is good because I present the lightning a good direct path to ground. The antenna coaxes run underground in PVC drain pipe and they present a high-impedance path for the lightning. I always unhook the antenna system and ground it when I am not on the air (as well and the rotor cables).

The Polyphaser company has an excellent series of publications on lightning protection. Their products are expensive but much less than the price of a cooked rig. See ads in QST and CQ.

Hope this is of some benefit for you and the group.

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***** ##### *****
Jay H. Miller, KK5IM           Dallas, Texas
The Pocket Guide to Collins Amateur Radio Equipment
jmillier@teleteam.com
***** ##### *****
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From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: Re: Comments on Shack Grounding
Message-ID: <317E7DA3.212D@sci.mus.mn.us>

Jay H. Miller wrote:

> From the pipe there is a #6 wire running through the wall and
> directly down to an 8' ground rod.

Jay, I would have thought that a large braided wire would be better than a #6, etc. solid conductor.

--

Chuck Penson
Education Division
Science Museum of Minnesota

penson@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: Arthur Moe <kb7ww@aracnet.com>
Subject: Dachis book
Message-ID: <199604240009.RAA31793@trapdoor.aracnet.com>

My Hallicrafters book arrived today. Its GREAT !!!! Thanks to
all involved in getting them out.

73s
art

AT THE END OF THE OREGON TRAIL

Arthur Moe	ARRL - Life
A.R.S. KB7WW	SMIRK #733
QTH: Oregon City, Or.	QRP ARCI
kb7ww@aracnet.com	QRP-1 #290
artmoe@agora.rdrop.com	

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: pmills@cyberhouse.com (Phil Mills)
Subject: Re: Dachis book
Message-ID: <199604240058.TAA00258@ns.cyberhouse.com>

Well, I sent my check in like the rest of you...I have not received MY book

yet...could you please keep in down to a dull roar until the rest of us get ours....

thanks,
Phil

P.S. I'm a Halli fan too.....I'm probably going to seek help soon on getting my HT-32 up to the quality of my Sx-101...

>My Hallicrafters book arrived today. Its GREAT !!!!! Thanks to
>
>Arthur Moe ARRL - Life

Phil Mills, AB5TH
pmills@cyberhouse.com
713-992-5762

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: kilgore@dev.tivoli.com (Jeff Kilgore)
Subject: Dachis book
Message-ID: <9604240137.AA13829@wichita.tivoli.com>

My Dachis book arrived yesterday. I am really enjoying it, and would like to thank everyone for handling this for us.

Other than an S-120, I have never owned a Hallicrafters, but I have long admired them. I may have to break down and pick one up someday.

73,
Jeff, KC1MK

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Dachis book arrived
Message-ID: <UPMAIL03.199604240126510913@msn.com>

Gang, got my Halli book today, I have one of those community mailboxes with little slots. I saw the postman Saturday, and told him if I get a book this week to put it on my doorstep. He didn't and forced the book in the slot along with my winning every contest Known to man.
Luckily, it was only in there a couple of hours and was not hurt.

Question ? , I just glance thru the book and it's great, but The prices seem

to
be for new , at least for the few Halli's Ive had or own.
what gives.
Like I said I haven't had time to read any of it , but I will later tonight.
It's obvious that some shark could use it to mark up prices.

The reason, iam saying that, about 5 years ago my wife ran across a simple
S-38-c. I think she paid 130 dollars for it as a Christmas present , about
twice
of what it cost new and its worth probably 60 bucks today as its like new.

Why in the heck did they put prices in the book?

Your Friend
Al
fritsche@msn.com

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: knudsen@gvmail.ih.att.com
Subject: Re: Dachis book arrived
Message-ID: <9604241655.AA03506@bock.ih.att.com>

Hi Al. Yeah, I wonder if we didn't all turn right away to the price guide
in the back of the book. To me, some prices seem high, but others are
reasonable if not low. The SX-115 RX prices around \$350, while its matching
HT-32 (null, A, B) family is only \$150 - \$175 or so (this is from memory).

In general TX price out much lower than RX, maybe cus of their tendency to
blow up expensive parts, and *anyone* can enjoy a reciever.

Chuck is on record as not really believing in price guides, but the publisher
wanted one so he wrote it up. Given that Chuck will buy a Halli no matter
how many dupes he already has (for good reasons given in the book), and is
still actively trading, I'd rather have Chuck's price guide than anyone else's.

>From what I've seen on this List, CHuck's prices are high by SOuthern standards,
about right for the Midwest, and probably cheap by California's lights.

I hate to mention again the near-mint S-38 (E?) I passed at a radiofest
for \$25. I almost bought it, it looked so nice and cute.
But I'm still a techno-nerd at heart, I'd rather have a beat-up SX-42,

or my nice s**t-kicking SX-117 (had it on last nite and this AM, and it's still pretty hot). 73, mike k aa9rg

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: "Garey Barrell, K40AH" <75025.73@CompuServe.COM>
Subject: Dennis - KG9D0
Message-ID: <960424151217_75025.73_FHD56-1@CompuServe.COM>

Dennis: I have tried to e-mail you since 0900 but your mail is bouncing.

I am interested in the T-4XB

Garey - K40AH
75025.73@compuserve.com
Atlanta

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: "Mark S. Hovda" <75301.3141@CompuServe.COM>
Subject: FS Hallicrafters T10 Keyer
Message-ID: <960424003458_75301.3141_GHI83-1@CompuServe.COM>

I have a Hallicrafters T10 Keyer, model HA-4 for sale. It is NOT WORKING but is in pretty good cosmetic shape. The front panel is very good, no scratches dents or dings. The top cover has a few small chips in the paint. I do not have the manual. Price is \$30, UPS included to lower 48.

This unit is transistorized, but since it was made in 1961, it should qualify for the list since it is an accessory for hollow state rigs such as the HT-32 and HT-37.

E-mail replies only please.

73,

Mark
N0JWI

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: FS: Heath collection

Message-ID: <317E63BB.1C43@sci.mus.mn.us>

Gang,

I have decided to sell off some of the major pieces of my Heath collection. The plan is to take to Dayton some of the stuff that is not convenient to ship, but I would like to give the list members the right of first refusal.

The pieces I have in mind are all the big/heavy stuff and include the TX-1, RX-1, AK-5 (speaker for RX-1), HX-10, HA-10, HX-30, VHF-1, and HA-20. All are in excellent condition and all except the TX-1 work well but have not been powered-up for years. These units are the ones pictured in the book. Depending on how much room I have in my truck I may bring some other stuff as well.

I want to be real up front with you all and tell you that I want to get top dollar for this stuff because I will be leaving my job and moving next year and I will need all the money I can scrounge. Also, selling this stuff is very hard for me to do. I'm real attached to these things. Anyway, I will understand completely if you think I am asking too much for it.

If you are interested in any of these pieces please let me know. I won't ship any of it, but I will bring it to Dayton for you.

Write, e-mail or call. Thanks.

--

Chuck Penson
Education Division
Science Museum of Minnesota

penson@sci.mus.mn.us
612.221.4510 voice (day)
612.822.1186 voice (eve)
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: Tom.Daley@530.gigo.com (Tom Daley)
Subject: fs: instructograph \$35
Message-ID: <bd6_9604231503@gigo.com>

hey like the title says, instructograph code teacher as seen in old
qst etc. with manual and several tapes. good condx \$35 its gotta go!
thanks tom

--

: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: doonan@cordmc.dnet.etn.com (DENNIS DOONAN X6916 (KG9DO))
Subject: FS: misc. equipment
Message-ID: <9604241109.AA18022@etn.com>

Hi Gang,

Looks like the xyl will soon be the ex-xyl so I have to do some major
cleaning. I'd really prefer pickup (south-east WI) on the heavier items.

Drake T-4XB, works but could use switches and relay cleaned, manual
inlcuded along with Drake AC-4 power supply and Drake MS-4 speaker, \$150.
Eico 147A Signal Tracer, works, \$25.
Eico 232 VTVM, rough looking but works, manual copy available, \$10.
Eico 232 VTVM, clean and working with manual, \$25
Eico 625 Tube Tester, works, clean, roll chart but no manual \$30.
Eico 710 Grid-dip meter with 8 coils, works, case is scuffed, schematic
but no manual \$20.
Eico 950B Resistor/Caacitor Bridge, works \$25.
Monitorradio MR10 tunable PS band vhf, works, no manual \$30.
Monitorradio MR10C xtal controlled sigle channel vhf RX, case hacked, \$10.
Superior Insgtruments Model 76 Capacitor/Resistor Bridge and tracer,
no manual \$25.
Tektronics 7603 with two 7A12 dual trace plug-ins and time delay time base.
Both amps work, but mainframe only allows 2 traces--other wise works. \$66.
Well-Gardner RAO-3 Navy receiver, works, but needs alignment. Has power
cord but no manual. \$100.
Johnnson Challenger, dead, probably bad meter, usual rear-panel changes, \$25.
Central Electronics 100-V. Clean, with original manual. Works, but pto needs
touch up. It tunes into a dummy load, but I never checked level of ouput. \$175.
Harvey Wells Bandmaster (?5??), looks like hell, no power cord, front panel
and interior rusted. I believe it is complete and was working when taken
off the air in the 1960's. I'd have to call this a parts rig, \$20.

Shipping, of course, is not included. I'll try to supply any more information
or try to arrange for pick up.

73 de Dennis, KG9DO

doonan@cordmc.dnet.etn.com

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: kilgore@dev.tivoli.com (Jeff Kilgore)
Subject: Re: FS: misc. equipment
Message-ID: <9604241530.AA14665@wichita.tivoli.com>

Dennis,

I would like to buy the Eico GDO, but e-mail to you bounces.

73,
Jeff, KC1MK

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: wd4mgm@ix.netcom.com (CARL WHITAKER)
Subject: Re: FS: misc. equipment
Message-ID: <199604241556.IAA13149@dfw-ix4.ix.netcom.com>

Dennis,

Interested in your 100v but e-mail bounces.

Carl
wd4mgm@in.netcom.com

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: Garage sale items
Message-ID: <199604240431.VAA24121@dfw-ix7.ix.netcom.com>

Well I enjoyed the few days in the Ft. Myers area last week and weekend, but its always good to be home. I knew I was home when I went to the storage shed and the piles haen't gone down hardly at all. So now its time to get rid of more stuff. If any of you folks happen to attend my estate sale, be sure to ask about the "storage shed items".

C-1541/ARN-41A Control head. Has small broken meter but looks good other than that. Probably pretty cheap at \$15

Command set transmitter for 7-9.1 mc. Roller ind. gone. Tubes there. Extra holes around the antenna connector location. Different plug on the back. Make a VFO out of it and drive the BC-610. \$20

1 BC-454B. Sez 6V on it but other than a vol. cont. on front panel,

original. Use 24 V with 12V tubes, Use 12V with 6V tubes. Pse check the Fil. wiring. No other mods visible. \$30

1 DA-85B dynamotor. 26V in and 220/420 out at 290 ma.

1 DM-64A Dynamotor. 12V in and 275 out at 150 ma.

1 set "matched serial numbers" TCS-5 Rec. and Tx. Vertical stacking bars and mounting base/plate. 3 cables, 12 V dynamotor power supply and 2 control heads. \$150

1 ARC-1 radio with rack mount and connectors and wire going to jct box. Known as part of ARA-8 radio group. Complete and in good shape. Should run with 26 V applied.

1 ARC-1 rack mount as above less radio. Radio is available if interested. This is a VHF crystal controlled radio.

1 TCS-15 (as marked) receiver. I think its incomplete. Front panel and case good/very good condx. best offer-----?

1 ARC-3 Rx/Tx. Also have the power supply/modulator. And with this nice peice of gear comes a wooden crystal chest with all kinds of matching sets of crystals for the radio. Many many pairs in there. Case needs some work but you ain't gonna find many of these around. \$100.

1 LM-13 freq meter. not working but complete except for the power plug on the side. Previous owner did his own wiring cable etc. Best offer. Clean unit and has the cal. book.

1 BC-211AH in original wooden box, complete with cal book and original AC power cord with AC supply. Pretty nice unit. \$60

1 Gonset 6 meter mobile converter. Maybe a couple of holes on top (small) for mounting bracket. Also has modified tuning knob on front. Looks nice and has slower tuning rate. \$15

Numerous ARC-12 rec/Tx and assorted units. Submit a querie for this stuff. Some is like new condx. Negotiable.

All above price listings do not include shipping from zip code 85233 which is in Hell. Actually it gets that hot here I think in Phoenix.

Larry W00GH@ix.netcom.com

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Halli Book Deal *Last* Call
Message-ID: <01BB31B7.5E3490A0@juneau_18.dialups.ptialaska.net>

Hello Late Check-ins-

I swore I wasn't going to do a second re-order, but that was before I =
got my
copy of Chuck Dachis Radios By Hallicrafters (Yes, I did this =
sight-unseen
and this time the rave reviews were right-on). Don Merz did a great job
getting the initial order of 50 out from PA. I've done another couple =
dozen
direct from publisher and from AK. This last wave will have to come Book =
Rate
(two weeks from this Friday) to Juneau and Priority (two days) to you. =
With
that three week delay in mind-
Any who still want the book e-mail me by 0300 PDT Friday 04/26
I need your e-mail address and your US Mail address and the check number
of the \$22 check you will be mailing by Friday.
Please don't clutter the list; my e-mail: beadgal@ptialaska.net
Checks for \$22 pay to/mail to: Hi Tec
201 Seward St.
Juneau AK 99801

Schiffer also publishes 'The Zenith Trans-Oceanic, The Royalty of =
Radios'
and Ron Ramirez' " Philco Radio: 1928-1942". If anyone is interested in =
these
canoe- and parlor- anchor tomes (they are not as impressive as Dachis) =
at a
savings-but same delay- e-mail above.

This book buy went very well. Thanks to all, especially Don Merz who =
mailed
out the big batch from the Iron City. Applause sign is lit....Thanks =
Don!

Now a preview.....Barry Wiseman has graciously offered a deal on the =
next
most requested BA bibliographic resource....(hint:many are Green). But
start saving up \$20.75 (shipped) for that which we will begin offering =
Friday, after the last Hallicrafter requests are in (Please wait....)

I have not had good luck so far on the third most requested line
(wings and meatballs), but with the purchase of nearly 100 =

'Hallicrafters' I

have concluded that sales of collector books soar from 1 to 20 percent of market when price is 30-40% less.=20

Update:

You Legacy Boaters may recall the abortive 'Fixing Up Nice Old Radios' Fizzasco (that's an Alaska word for a fiasco that mercifully fizzles = early on).

In which couple dozen folk wanted this great self-published Ed Romney book on the technicalities of hollow-state resuscitation. The books = arrived from Ed as Xerox copies with pretty muddy art (my original = is/was fine).

According to Barry "The latest shipment....illustrations are very poor." However, this aside I still recommend this book and it, as well as all = mentioned/hinted at above, as well as Stan Griffiths O-scopes, etc, are = available at cover \$ plus \$3 S+H from ER Box 57 Hesperus CO 81326

My justification for this bibliofest is that wider possession of the = basic tools

of thermionic forensics (Boatanchor identification) will greatly reduce traffic in "I've got this Green Gonzotronics model unknown and what = speaker matches...."

Last call for Hallicrafters check-ins:

beadgal@ptialaska.net

Please don't call in on Heathnet until Friday 4/26 call-up.Thanks

Jim Dillon WL7CMQ

beadgal@ptialaska.net

(Now seeking an S/SX-9 , an S-29/39, and an 8R40)

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996

From: BRICKEY_PETER@Tandem.COM

Subject: Heathkit DX-60 schematic

Message-ID: <199604240928.AA5945@post.tandem.com

\POS,\$ZNET 5>

Hi;

I picked up a Heathkit DX-60 transmitter sans manual. I wasn't worried because I had a DX-60B manual and assumed that they were the same unit in different packages. Wrong! The DX-60 power supply is different and this ones been mucked around with.

Thus I would really appreciate a copy of the schematic and would gladly pay copying and mailing costs.

73's Peter

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: Al Klase <alklase@postoffice.ptd.net>
Subject: Re: Lubing dynamotors
Message-ID: <199604241124.HAA01786@ns1.ptd.net>

At 11:44 AM 4/23/96 -0600, Lee Blaske wrote:

>Al,

>

>I just noticed your ARC-5 post. What's the best way to lube the
>dynamotors? Out of curiosity, is there any source you know of for new
>brushes?

>

Lee and the Group,

I'm not sure I know the best way to lube a dynamoter, but I've
always figured it was chancy to run a 50-year-old machine on the original
grease. My procedure is: Remove the end covers. One at a time, remove
the bearing covers and keep track of the spacers. If the grease is
reasonably soft in the ball bearing, I just add a bit more on top of it.
I've been using a nasty-looking green grease intended for bicycle wheel
bearings. If the grease is hard, you ought to dissassemble the thing and
soak and wash out the bearings with solvent. Then relube. (I'll be the
first to admit that maybe they all should receive the full treatment.)

Perhaps we have a bearing guy on the list who can ad to this.

73,

Al Klase - N3FRQ
alklase@postoffice.ptd.net
Flemington, NJ

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: Lubing dynamotors
Message-ID: <9604241429.AA109433@csemail.cropsci.ncsu.edu>

>

> At 11:44 AM 4/23/96 -0600, Lee Blaske wrote:

> >Al,

> >

> >I just noticed your ARC-5 post. What's the best way to lube the
> >dynamotors? Out of curiosity, is there any source you know of for new
> >brushes?

> >

New brushes can often be obtained at hardware stores. You have to look for an old place that has been around for a while, and gently tiptoe to the oldest greybeard about, and ask to see the motor carbon brush box. It is usually a well kept secret.....

> Lee and the Group,

>

> I'm not sure I know the best way to lube a dynamoter, but I've
> always figured it was chancy to run a 50-year-old machine on the original
> grease. My procedure is: Remove the end covers. One at a time, remove
> the bearing covers and keep track of the spacers. If the grease is
> reasonably soft in the ball bearing, I just add a bit more on top of it.
> I've been using a nasty-looking green grease intended for bicycle wheel
> bearings. If the grease is hard, you ought to dissassemble the thing and
> soak and wash out the bearings with solvent. Then relube. (I'll be the
> first to admit that maybe they all should receive the full treatment.)

> Perhaps we have a bearing guy on the list who can ad to this.

>

> 73,

> Al Klase - N3FRQ

> alklase@postoffice.ptd.net

> Flemington, NJ

This is a good general purpose lubrication system, and I don't have any problems with it.

I will offer a simpler method that has worked for me for the past 25 years, and I run about a dozen different dynamotors on various machines from the least arcus-fivus receivers to the greatest angry-19 monsters from the late 50's.....

1. Remove dynamotor end bells.
2. Remove cover cap on the bearings (as Al mentioned DONT LOSE THE PAPER GASKETS OR BRASS SHIM THRUST WASHERS!!!!!! or the bell cap screws, especially if you want to safety-wire the beast closed).
3. Check the bearings for dead, dry grease, and wipe out any excess hardened grease with a soft, lintless rag. You will probably not have to totally disassemble the bearings and clean in solvent, especially if you use the oil procedure in 4) below, since it will soften the hardened grease inside the bearings.
4. Pack with automotive wheel-bearing grease (available everywhere), OR carefully drip in 3-5 drops of an oil (I keep a squirt can of 10W30 automotive oil for this purpose and drip a couple of drops into each bearing while hand rotating the armature to work the oil into the recesses). DONT LAUGH, this has worked for me for

25 years. Your mileage may vary. Automotive wheel-bearing grease works well, although not really any better than plain motor oil. My guess is that a good synthetic oil might work a little better, but, since proper maintenance requires relubing every 6 mos., or every 100 hours of operation, I usually just keep the oil can handy. I prefer the oil drop method, myself, unless a total overhaul is required, and I have only had to do that once so far.

5. Close the bearing covers after properly replacing shims and gaskets. (Good 40 or 60 pound linen or card-stock will make a good gasket in a pinch -- it should not be too thick, nor too thin).
6. Run up the dynamotor with the end bells OFF for several minutes to make sure everything is properly seated. Then, retighten the bearing caps (they will sometimes be a bit loose after running-in seating).
7. With the motor stopped, check that the brush caps are well finger tight (not excessively tight, but good and finger tight). At this time, you might want to remove one and only one brush at a time for inspection, and replace it in its EXACT 3-dimensional orientation. Replace any that are worn excessively. NOTE: In 25 years of running dynamotors I have only had to replace ONE set of brushes, and some of mine have been in use for 15 years, at several hours a month. Brushes should last hundreds of hours if properly seated. Proper periodic lubing is much more important, usually.
7. Replace end bells and away you go until the next maintenance period.

Note: This procedure has worked for me for 25 years, and I basically swear by it and have never needed anything more drastic. PROPER TIMELY PERIODIC MAINTENANCE will keep your dynamotors running for many, many years. Rarely will brushes need replacement, and even more rarely will armature turnings be required to face the commutators. I had only one out of some 50 dynamotors that I have used over the years that needed a turning in an auto generator shop.

Note: In stationary operation, it is proper to run dynamotors with the end bells removed for proper air circulation and to keep the beast cool. You may do this for any dynamotor that does not have a built-in fan air circulator. DONT remove end bells on fan-cooled dynamotors, when running. Also, remember that HV is present on open end bells on the HV end of the armature --- use proper caution and safety around HV. Else, run them closed and if they get more than warm to the touch, put a small fan blowing across the dynamotor.

That is all I can think of right now..... (I though this had been

written up several years back, but maybe it has vaporized).

73/ZUT DE NA4G/Bob UP

p.s. Henrietta Hartley and her like, as well as my arcus fivus rigs and the BC-375 all sport dynamotors (nuttin' better!), so if you have heard them on the BA/GB net, then they were a motorin' along.....

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: Walt Novinger <waltn@earthlink.net>
Subject: Manual for RCA WR-70 Marker/Adder
Message-ID: <317E2FBA.41ED@earthlink.net>

I'm still looking for the manual for the RCA WR-70 Marker/Adder that matches my WR-50 signal generator. Happy to pay copying costs, etc.

Thanks!

Walt

--

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
waltn@earthlink.net	wnovinger@shl.com CI\$: 73348,2015

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: mflicinski@VNET.IBM.COM
Subject: Mic Elements - CTI Audio, Conneaut, OH
Message-ID: <199604241441.JAA08239@uro.theporch.com>

Good news: CTI provided replacement Hi-Z mic elements at \$19 ea

Bad news: Both elements were defective, one was "tinny" the other had low output.

Good news: I returned the elements and received a full refund plus original shipping costs.

These things happen, perhaps the mic elements I got were NOS that went bad with age... they are the replacement elements for the Astatic 527 hand mic used on the old Clegg FM-27B. The one remaining good one I have is an excellent sounding Hi-Z mic on BA rigs. The replacement elements had the same number stamped on them as the one good one I have. I tested all elements in the same manner.

I'd try CTI again. CTI Audio Inc.
 341 Harbor St.
 PO Box 120
 Conneaut, OH 44030

I found a nice Shure 444D in the meantime instead of repairing another hand mic.

Mike K2UXE
Austin, TX
mflicinski@vnet.ibm.com

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: spr@earthlink.net (Scott Robinson)
Subject: Microphone frequency response
Message-ID: <v01530500ada3009fb101@[153.37.85.90]>

If you think cardioids emphasize bass when close to the source, consider every announcer's favorite-the RCA 77 and 44 ribbon microphones. These have a basic bipolar (figure 8) polar pattern and really give you that de-e-e-ep voice from up close. This may not be the desired effect for punching through de-e-e-ep QRM, though...

Scott Robinson
spr@earthlink.net

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: Arthur Moe <kb7www@aracnet.com>
Subject: Mod 59 Manual
Message-ID: <199604240324.UAA12349@trapdoor.aracnet.com>

I removed the binding from my Measurements Mod 59 Megacycle meter Model 59 manual today to make one of the list members a copy. While I was at it I made a few extra. If you need one let me know.

73s
art

AT THE END OF THE OREGON TRAIL

Arthur Moe
A.R.S. KB7WW
QTH: Oregon City, Or.
kb7ww@aracnet.com
artmoe@agora.rdrop.com

ARRL - Life
SMIRK #733
QRP ARCI
QRP-1 #290

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: debral@falcon.cc.ukans.edu
Subject: NATIONAL HRO-50T1 << HOW MUCH >>
Message-ID: <199604232138.RAA24343@postoffice.reston.mci.net>

Fellow anchorites,

I've just been bitten by the National bug, and I am looking for some help on valuation. Yes, I know that ultimately they are worth what someone will pay, but I would sure like to get a little input from some of you experienced National buyers/collectors as to where bidding should start on one of these classics.

Specifically:

* Where should bidding start for an HRO-50T1 or HRO-60 that is in excellent to mint condition? You know...original owner and pampered since purchased in the early 50s. I've seen a few modified "junkers" but would like to find out what a really nice one should cost!

Looking forward to some enlightening info!

BTW, I have Moore's book on Comm Rcvrs. Unless I'm mistaken, the prices shown are the original suggested retail prices. Right?

73s

Bill Worthington
AA4FM/0
Eudora, Kansas, USA
debral@falcon.cc.ukans.edu

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: Nina West <ninaw@u.washington.edu>
Subject: Need Power Supply Transformer for HP 400D VTVM
Message-ID: <Pine.A32.3.92a.960423170613.66358A-100000@homer27.u.washington.edu>

Finally decided that this unit was blowing fuses because the power transformer was bad. It is part number 9100-0050 in the manual although the one I have is marked:

TF4RX03KB

ORION ELECTRONIC CORP

SM-D-331338

and doesn't appear to be original.

Does anyone have one of these I could trade for or buy?

Also, has anyone every tried to open and repair these sealed transformers? There is rust around the feedthrus and I measured unequal resistances on the 840v center tapped secondary.

Thanks in advance for your help,

Fred Powell
c/o
ninaw@u.washington.edu

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: "Pulhamus, William R" <wrp@rfpo1.rfc.comm.harris.com>
Subject: RE: Need Power Supply Transformer for HP 400D VTVM
Message-ID: <317E6519@smtpgate.rfc.comm.harris.com>

From: boatanchors
Subject: Need Power Supply Transformer for HP 400D VTVM
From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: DMedley@gnn.com (David MEDLEY)
Subject: Old ceramic parts FS
Message-ID: <199604241614.MAA06182@mail-e2b-service.gnn.com>

Hi Gang. Please note my new e-mail address. I have a box of ceramic parts from a bygone era. This includes spreaders for zepp antennas, standoff insulators and coil forms. Stuff which would be great for a tube type transmitter. Let me know if you are interested and I will e-mail a list.

73 de Dave
dmedley@gnn.com

David Medley

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: John Shriver <jas@shiva.com>
Subject: RE: R390's/6082 tubes
Message-ID: <199604232352.TAA15809@shiva-dev.shiva.com>

According to a Tung-Sol brochure (number T-23, no date), the 6080WA is a ruggedized 6080, and the 6082WA is a ruggedized 6082. The 6080WB and 6082WB are:

Hard glass, twin power triode for use in high ambient temperature and under sustained vibration. Non-char, glass-bonded mica base wafer.

Hard glass is the generic term for what Corning sells as Pyrex. Melts at a much higher temperature, you can run the tube damn hot without worrying about the glass melting and blowing the vacuum. Also real handy at high altitude, where the near-non-existent air can't carry the heat away from the glass. (High vibration handling helps there, too.)

>From what I've read here about the R390 and R390A, the power supply there definitely qualifies as "high ambient temperature."

Tung-Sol's 6080, 6080WA, 6080WB, and 6082WB were noted to have "military qualification approval."

Also, Tung-Sol's data sheet (in their three volume set) for the 6080WA notes that the internal mount is spring mounted, for resistance to mechanical shock.

Of course, unless you drop the R390 (watch your foot!), mechanical shock is an unlikely event...

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: R390A AM Reception
Message-ID: <199604241550.KAA25718@dlep1.itg.ti.com>

Greetings,

The last few days I've spent a little time playing with my new R390A and I've observed that I can copy AM signals with it that I can't copy on my SX-101A, Super-Pro or any other receiver I've got. I've heard other Anchorites comment about the R390A being their best AM receiver, but I'm wondering now, why is that? The R390A doesn't have a synchronous detector. Is this simply due to the mechanical filter, or am I missing something?

Also, my R390A has a COSMOS PTO, which I understand can be adjusted for end-point linearity without being taken apart, but TM 11-856A is about as clear as mud on this and indicates that the PTO must be removed from the chassis. Suggestions or insight, anyone? I don't have any Bristol spline wrenches either. Anybody know off the top of their head what size Bristol (or Bristo, as TM 11-856A says ;-) wrench(es) I need to order for this beast? I'm guessing that this info might be in Chapter I of TM 11-856A. (My copy of TM 11-856 is mostly complete but lacks chapter I, II and the index.)

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: Cosmo224@aol.com
Subject: Rohde & Schwarz info needed
Message-ID: <960423195232_476664446@emout19.mail.aol.com>

Howdy all

Recent toy to enter the shack is a Rohde & Schwarz Tunable Amplifier type UBM BN12121/2 which covers 17hz to 600khz. Does anyone in BA land know where I can get a manual for one of these things?

73 de AA9IL
Mike Kana

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Series Capacitors (Voltage Ratings of Resistors)
Message-ID: <Pine.ULT.3.91.960423184535.19839B-1000000@dua150.kpt.emn.com>

I am squeezing this post in between bouts of jury duty. Folks, they don't let you out of this "civic duty" easily. I had to come in to the plant this morning and give my talk to the Eastman Worldwide Technical Conference, only to leave immediately afterward, drive to the county seat, and show up at court!

On the issue of what value of resistance to place in parallel with capacitors to balance their voltage when wired in series, the best answer is "as low as practical". The lower the resistor value, the better it will swamp the leakage resistance of the capacitor. But it does this at the expense of current draw and power dissipation. 100 ohms/volt is a reasonable value but it also means 10 milliamps of current through the resistor. If the supply can handle this extra 10 milliamps, fine. If not, you may have to use a higher value. Just remember to calculate the power dissipation of this extra bleeder and size the resistors accordingly.

One point that has been rarely mentioned is the voltage rating of resistors. In the good old days of phenolic-cased carbon composition resistors, we rarely worried about this. Of course after many years of temperature cycling, storage, and ambient humidity we are now seeing the failure of many of these resistors, particularly where high voltage is concerned.

Most modern resistors are carbon film or metal film types. These have very definite voltage limitations. The following data is gleaned from the Digi-Key catalog for their Yageo axial lead film resistors:

Type & Precision	Wattage	Max WV	Max Overload Voltage
Carbon Film 5%	1/8 w	200 V	400 V
Carbon Film 5%	1/4 w	250 V	500 V
Carbon Film 5%	1/2 w	350 V	700 V
Metal Film 1%	1/4 w	250 V	500 V
Metal Oxide 5%	1 w	350 V	
Metal Oxide 5%	2 w	350 V	
Metal Oxide 5%	3 w	350 V	

Most chip resistors, SIP, DIP and surface mount networks have a maximum working voltage of 50 volts.

Calculate the needed total resistance and determine the power dissipation needed. Based on this, come up with a combination of series and parallel resistors that can dissipate at least 3 to 4 times what you just calculated insuring that each resistor has less than its rated working voltage across it.

As an example, assume you need 50 uF at 600 WVDC and you have two 100 uF capacitors rated at 350 WVDC. Using the 100 ohm/volt rule-of-thumb, each capacitor will need a resistance of 30K ohms across it. This resistance will draw 10 milliamps and dissipate 3 watts. Since each capacitor has 300 volts across it, the 350 WV rating of the metal oxide resistors is suitable. For redundancy, I would use 3 100K, 3W resistors across each capacitor. This will give an effective resistance of 33.3K ohms and draw 9 milliamps. The power dissipation of each resistor will be $300\text{ V} \times 0.003\text{ A} = 0.9\text{ watt}$. This will give a safety factor of 3.3 for each unit. With no additional bleeder resistance, the resulting network will have a time constant of slightly over three seconds. [This means wait at LEAST 20 seconds after you turn off the power to touch the resistors to see how hot they get!]

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996

From: Henry van Cleef <vancleef@bga.com>

Subject: Re: Series Capacitors (Voltage Ratings of Resistors)

Message-ID: <199604240552.AAA12238@zoom.bga.com>

My choice of balancing resistors for series electrolytics has been much less than 10 ma. current. After looking at a bunch of ancient electrolytics coming back to life, I see leakages in tired caps of around 50 microamps/microfarad after they've cooked for a while, and this seems fairly constant, both for caps that can be put back in service, and caps that have lost their capacitance (but not leakage---the number is relative to the original value). This means, for 20 mike caps, a leakage under 1 ma. Leakage values on new caps are much better, one or two orders of magnitude less.

I do not "overcap" on replacement. With a good filter choke in the supply, 20 mikes is plenty for a 100 ma. supply, so I'll use 40's in series. I'll put 2 ma. through the bleeder, using 1 watt resistors in series so that nominal bleeder current gives 1/2 watt through the resistors. That generally takes care of voltage ratings as well. I like to keep voltages down below 300 for 1 watt film resistors.

On a supply that uses a 5U4 or 5R4, with cap input filter, I figure the maximum input voltage for 450 volt caps is 750 VCT into a no-bleeder load drawing near-zero current until the other tubes warm up. That's barely within the 535 volt surge rating for these caps. If we are talking 1000 VCT and cap input, I think we're talking doorknobs or tub oil caps, not electrolytics.

Power supply design is almost always an afterthought in electronics design, and there's a lot of stuff out there with power supplies that

could stand a bit of serious study and rework. Some of the fifties and sixties designs originally pushed things mighty hard, using electrolytic cap input filters, and designers "saved a buck" by avoiding the expense of a choke. 807's and 6146's will swallow 600 volts on the plates, for class C work, and it's important to get the volts up on them, but a 600 volt supply is beyond any conservative capability of single electrolytics. The boric acid-based mouse milk and aluminum electrolytic technology gets hazy at about 500 volts, and I'd just as soon go with a clean design that doesn't use them if I want 600 volts. The purists can howl to the heavens over changing things, but a trip through Seely's "Electronic Engineering," which has enough equations (rather than nomographs and charts), and some "what-if" paper studies will show you that you can get good ripple control with a two-section pi filter, using a choke in the first section, a relatively small resistor in the second, and caps around 4 mikes, in supplies suitable for push-pull 807's or 6146's running class C. The dollar engineers who came up with sixties tube audio used electrolytics and RC pi sections, and pushed things to the moon, then used 6L6-on-steroids tubes in the output, rather than paying the ante for 807's and LC filters with non-electrolytic caps. Some of the ham transmitters used very similar technology----sweep tubes, chintzy power supplies, etc., that don't have tremendous staying power. If you've got to get a bunch of new components, you might as well take a hard look at the design and see if you can be a bit more conservative----it helps the smoke stay inside the smokeable devices.

Series electrolytics for 450-600 volt supplies, with 50-100 microamps per microfarad bleeder current across the caps, seems reasonable to me. If the supply has a voltage-dropping bleeder in the B+, I'd consider tying the midpoints of the caps to the main bleeder tap through lower value resistors like 2K. This may not "center" the filter caps, but will set the series connection at a safe voltage rating. The bleeder tap should have a fairly hefty cap on it anyway, so any ripple coming down through the small resistors will get grounded through the tap filter cap.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: djw@unlinfo.unl.edu (Daniel Wright)
Subject: Shack Grounding!
Message-ID: <9604241529.AA22275@unlinfo2.unl.edu>

Greetings..!

I have just moved to new quarters and am in the process of settin' up the new shack. It's a 24' by 24' room with windows on three sides. I'm puttin' in some extra power for runnin' ye olde boatus anchorus gear, AND for the first time in YEARS I'll have a nice bench for restoration/repair of some of my "Vintage-Classics-in-Mint-Condition"!!! Having said all that, I have a question for the assembled wise men (and women). The shack is on the second floor. How do I get a good RF ground? Will a 20-30 foot run of cable/wire do any good at RF? Will I be OK for AC (read BA power supplies) with that length of a ground? Any hints or solutions would be most appreciated. Thanks!

73 de Dan -- WA0JRD ..
djw@unlinfo.unl.edu

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: "Richard A. George" <wa6jox@rain.org>
Subject: Some stuff still left
Message-ID: <Pine.SUN.3.91.960424094138.16651B-100000@coyote.rain.org>

I still have some equipment and books left from my original posting.
Prices include Ups shipping in continental U.S.A. please e-mail direct.

Abbott instruments 2 meter Transciever, good condition very old	\$55.00
Lafayette HA-144 2 meter transceiver	\$25.00
Heathkit FM-4 FM tuner	\$25.00
Gonset VFO 10,15,20 meters real nice	\$35.00
2ea Zenith transoceanics	\$50.00 ea
Ameco TX6-2 clean	\$35.00
Gonset G-12 CB	\$25.00
Gonset G-14 CB	\$25.00
Heathkit 6er and a 2er, very nice(may be sold)	\$60.00
Gonset Comm II	\$50.00
Gonset VFO 6,2,220	\$35.00
R70 boonton Q meter	\$65.00
190-A boonton Q meter	\$65.00

HP UHF signal Generator 612a
\$100.00
Gonset fixed Frequency communicator 220mhz CD colors
\$70.00

The below book pricing include postage in continental USA

RME-152a \$2.00
TV & other antennas 1950 \$7.00

S. Gernsbacks Radio Encyclopedia 1927 reprint \$7.00
Radio Engineering 1947 \$12.00
Audels New Radiomans Guide 1942 \$15.00
Everybodys radio manual 1942 \$20.00
ARRL Quad Antennas first edition \$6.00
Differential Equations 1905 \$20.00
Experimental Electronics 1943 \$15.00
Intro. Electrodynamics 1926 \$20.00
Principles Underlying Radio Communications 1921 \$25.00
Servicing by Signal Tracing 1941 \$20.00
Frequency modulation 1942 \$15.00
Audels Wiring Diagrams 1946 \$10.00
ARRL Handbook 1936 (missing back cover) \$20.00
Principles of radio 1938 \$25.00

All items sold on first reply and i will hold them. Please e-mail
direct.
WA6JOX Dick

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: Norm Flasch <flasch@cushy.eecs.nwu.edu>
Subject: Re: SX-62 Confusion Continued
Message-ID: <199604232141.QAA26851@cushy.eecs.nwu.edu>

I recall seeing an SX-62B advertised on the net a couple of years ago
that had an RCA jack for a FM multiplex adapter on the rear panel.
Does the schematic for the 62B show this? If not, it was probably a
modification.

--

Norm Flasch flasch@eecs.nwu.edu Northwestern University
Electrical Engineering and Computer Science

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: Tek 555 Power Supply
Message-ID: <199604240551.WAA26614@desiree.teleport.com>

>Fellow BA'ers,

>

>I have a couple of Tek 555 scope power supplies (hefty pups in a separate
>chassis!) that I'd like to get working to power something or other. Anybody
>got a schematic they'd be willing to copy? I will of course reimburse
>expenses.

>

>Thanks,

>Ross
>ross_lahlum@msmail.wes.mot.com

Hi Ross,

I can copy the schematic out of a 555 manual for you but I think you will find it to be of limited value in trying to make the 555 Power Supply into something useful other than to power a 555 scope. The 555 power supplies, like most all the power supplies Tek built for scopes during that time (mid '60s), require a specific load within fairly tight limits in order to regulate at all. For example, if you did not have a 555 connected to the power supply AND a plugin plugged in each slot of the 555 scope, the power supply would not regulate. There are several power supplies in that box, but both the +100 and the -150 must be regulating for either one of them to regulate and both of them must work for the +225, +350, and +500 to regulate.

Send me you mailing address and I will send you a schematic.

You must have 555 power supplies and no 555 scopes? That means someone out there has a 555 without a power supply. They tend to get separated in surplus stores. The interconnecting cable seems to get lost, too.

Stan w7ni@teleport.com
Aloha, OR

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: Nick England <nick@cs.unc.edu>
Subject: The return of tubes?
Message-ID: <199604241756.NAA14188@altair.cs.unc.edu>

>From Science News April 20, 1996

Researchers right here in North Carolina (proud to lead the way!) at NC State Univ reported at a recent meeting of the Materials Research Society on their project to produce arrays of vacuum tubes by encasing electrodes in diamond, then evacuating the air from the interiors. A few quotes from the researchers:

"We're revisiting vacuum tubes from the 1940's, but now we're taking advantage of new materials and computer design tools to predict their performance at very high frequencies, for use in radar and cellular phones."

(Griff L. Bilbro)

"There's an interesting irony here. Vacuum tubes paved the way for

solid-state transistors. Noe we're seeing that, for certain applications, the new vacuum tubes offer advantages over solid-state components."
(Christopher W Hatfield)

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: "Dale A. Hagert" <daleh@skypoint.com>
Subject: Tnx 32V2 Response
Message-ID: <317E2AAB.7E0@skypoint.com>

I would like to hank all for responding to my 32V2 questions. I am sure I will have more as my restoration comes along. I need to go back over to the qth where I purchased it from, and look for some more missing parts.

Thanks again es 73's Dale NM0H

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Re: Transistor replacements for tubes
Message-ID: <Pine.3.89.9604231749.A6119-0100000@unixs3.cis.pitt.edu>

Several years ago, a company by the name of Skytec manufactured a direct replacement for the tubes found in the 75S series receivers, coining the name "Tubesters."

I believe it was Bill Noonan, WA6NOJ, the engineer who developed the Tubesters.

In next month's issue of the Collins Journal, there will be an article about these units. They still can be found on the used market.

Thought you would like to know.

David, W3BJZ
Publisher of the monthly Collins Journal

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: rh8421@gate.net (Ron Hankins)
Subject: Tubes 1/3 of AES price
Message-ID: <v02130504ada35900a3b2@[199.227.3.147]>

I have tubes for sale at 1/3 of AES price. Your E-mail address geta you the list.

Ron Hankins rh8421@gate.net

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Tucker's Web Page
Message-ID: <199604241717.MAA16819@dlep1.itg.ti.com>

At 10:49 AM 4/24/96 -0500, you wrote:

>Gang,

>

>I was on the contest reflector and Alan from Tucker Electronics dropped a
>short message about their new WEB page.

>They are at <http://www.tucker.com...>

For those that haven't dealt with Tucker's, I'll offer some insight. Living in the Dallas / Fort Worth metroplex, I visit Tucker's from time to time. I continue to go there but am often frustrated dealing with them. The folks there don't understand the meaning of customer satisfaction.

Case in point: I called Tucker's this morning because I saw something in their classic radio listing that interested me. The response I got was underwhelming. After being on hold for several minutes, I was told that only Bob Jones handles the classic gear and he's not in today. I was told to call back tomorrow. Not easily dissuaded I responded that I'd like to drive over today and was told that absolutely no one would be able to sell any of the classic gear to me today! Oh well, I didn't see anything in the listing that I absolutely had to have.

BTW, many of the locals have much harsher things to say about Tucker's, so deal with them at your own risk, but don't waste your money calling them today. Of course, maybe if enough people call today...

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996

From: "Mark J. Blair" <mblair@gruumsh.irv.ca.us>
Subject: Wanted: BC-221-M manual, etc.
Message-ID: <199604240302.UAA01311@gruumsh.irv.ca.us>

Hi, everybody. I picked up a BC-221-M (Bendix Radio, 4675-PHILA-42, s/n 7084, cal book dated Aug. 5, 1943) at a swap meet for \$10 a couple of weeks ago. It has a homemade-looking AC power supply in the battery compartment, with a power switch mounted in the case behind the front cover. Aside from the holes (neatly) drilled for the power supply mod, it is in pretty good physical condition inside and out. This is the first military boatanchor I've ever bought that still has the tools and spares mounted inside. I haven't checked the circuitry or tried powering it up yet, but I plan to fix it up and use it to help realign my piles of old, green radios.

Does anybody know where I can get a manual for this set? I saw the post by Jerry Proc, but he didn't mention the M model of this set. I tried Fair Radio, but they didn't have a manual for the M model. Of course, I'd prefer an original manual, but a photocopy would be fine, too.

I'd also like to replace the plastic binding on the calibration book. We have similar plastic binding supplies where I work, but the spacing of the plastic tabs is different, so I can't use them. Any ideas?

Any help will be appreciated.

--

Mark J. Blair KE6MYK
e-mail: mblair@gruumsh.irv.ca.us

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: mack@mails.imed.com
Subject: Who buys \$1000 R390a's?
Message-ID: <9603248303.AA830369456@mails.imed.com>

Some one asked who buys receivers for this price range.

Admittedly this is old information, but my former father-in-law who was in the junk business (oops I mean surplus :<) told me that he could sell ALL of the R390A's we could get our hands on to folks in the third world. This meant primarily government customers. He did an incredible business buying old US military gear and refurbishing it and then reselling overseas. I seem to recall that he had at least 6 people working for him doing various kinds of refurbishing.

He also said no one was interested in 390's just 390A's.

Ray Mack
mack@mails.imed.com
Friendswood (Houston), TX

From boatanchors@theporch.com Wed Apr 24 13:22:15 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: Re: Who buys \$1000 R390a's?
Message-ID: <199604241742.NAA13171@borg.mindspring.com>

At 11:11 AM 4/24/96 -0500, you wrote:

>Some one asked who buys receivers for this price range.

>

>Admittedly this is old information, but my former father-in-law who
>was in the junk business (oops I mean surplus :<) told me that he
>could sell ALL of the R390A's we could get our hands on to folks in
>the third world. This meant primarily government customers. He did
>an incredible business buying old US military gear and refurbishing it
>and then reselling overseas. I seem to recall that he had at least 6
>people working for him doing various kinds of refurbishing.

I know of two other military/older equipment dealers that have made a fine living selling R390's, 75A4's, Collins S-Lines, Drake gear to Japan, Germany, third world nations et al. One was getting international VISA money orders for S-Lines with power supplies, speakers, and consoles including air freight. The price was at least double the USA evaluation.

This is where a lot of the older equipment has gone...certainly not illegal, but food for thought.

Dave K4JRB

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: billo@nti.net (Bill Wilson)
Subject: WTB 32V-3 parts, mod question & R390A audio
Message-ID: <19960424031159871.AAA632@LOCALNAME>

Greetings from Alabama...

I am looking for a couple of parts that were missing on the 32V-3 I picked up last weekend.

- 1) small metal cover that covers the 110 volt terminals on the rear
- 2) inside top metal mesh/cover(s)

Some mods that were undocumented on this radio;

- 1) a series of dropping resistors and cap coming off voltage reg tubes (0A2), wire goes to switch on front panel.
- 2) a 1/4 inch jack, wire goes to meter switch the other wire goes nowhere.

If anyone is familiar with these mods please drop me a note.

BTW I use a R-42 speaker with the Super-Pro 600 and SX-73. It works as good as it looks. On the R390 I use a old mono firebottle Radio Shack amp...two 6V6's, two 12AT7's. I keep my line out at three and use a variety of speakers. But a previous post noted distortion with using the line out on some speakers. I found this to be true on the "hi-fi" speakers (Advents and so on) so I use a old big box Hammarlund speaker and it matches up fine. The R390A and the R42 speaker works fine on voice but the R390A local audio out does not have enough power to do that speaker justice when listening to music...just my .02 worth.

Thanks

Bill
AC4LC
Jacksonville Al.
email: Billo@nti.net

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: WTB: Heath Mohawk RF deck
Message-ID: <m0uBsEe-000Tx4C@spider.lloyd.com>

Gang,

My Mohawk has chronic deafness on the higher bands and rather than dissecting the RF deck to find out why, I thought I'd see if I could find a boneyard Mohawk from which I could just liberate this whole assembly, hopefully a good one.

The BA parts rig list doesn't show anyone with a Mohawk parts rig,

unfortunately.

So, anybody "out there" got a Mohawk parts rig for sale or one that could be parted out to get the RF deck? Lemme know....

Thanks in advance,

Jim - km6nk

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: "D. Ragsdale" <doragsda@oboe.aix.calpoly.edu>
Subject: WTD: Halli SX-17 Cabinet
Message-ID: <9604232250.AA46669@oboe.aix.calpoly.edu>

This may be a dream, but I've got to try:

Wanted, cabinet for a Hallicrafters SX-17 Super Skyrider. From pictures it looks like a cabinet from some of the other, similar vintage, radios (SX-16) may fit, so if you have one of those please e-mail me so I can check dimensions. Thanks.

David Ragsdale, R.E.H.S. Public Safety Services
California Polytechnic State University, San Luis Obispo, CA
du651@oasis.calpoly.edu or doragsda@cymbal.aix.calpoly.edu

From boatanchors@theporch.com Wed Apr 24 06:29:04 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Re: WTD: 32V2 Parts
Message-ID: <Pine.3.89.9604231734.A6119-01000000@unixs3.cis.pitt.edu>

Black wrinkle paint can be gotten from Pep Boy stores or Harley Davidson dealerships. Applying wrinkle paint as a touch up procedure is rather hit or miss. Other than the front panel, you can get your cabinets refinished with a wrinkle powder coating by writing Howard Mill, W3HM.

Thought you would like to know.

Dave, W3BJZ
Publisher of the Collins Journal.